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(54) Title: TIP STRUCTURES, DEVICES ON THEIR BASIS, AND METHODS FOR THEIR PREPARATION

(57) Abstract: New designs of electron devices such as scanning probes and field emitters based on tip structures are proposed. The tips are prepared from whiskers that are grown from the vapor phase by the vapor-liquid-solid technology. Some new designs for preparation of field-emitters and of probes for magnetic, electrostatic, morphological, etc, investigations based on the specific technology are proposed. New designs for preparation of multilever probes are proposed, too.

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